

IN THE CLAIMS:

Please cancel claims 2-3 and 10 and amend the claims as follows:

1. (Currently Amended): In a multi-processor computing environment, a method executed by a first processor for allocating resources for use by a ~~second~~ plurality of other processors processor, the method comprising:

providing a script to the first processor, the first processor being dedicated solely to parsing the script and to the allocation of resources to ~~one or more~~ the plurality of other processors, the script containing information related to the resources required by the ~~second processor~~ other processors and when the resources are required in the execution sequence of ~~a program~~ an application;

parsing the script to determine the resources required by the ~~second processor~~ plurality of other processors; and

dynamically allocating the resources ~~at the time~~ as needed by the ~~second processor~~ plurality of other processors in the execution of the application.

2 – 3 (Cancelled)

4. (Previously Presented): The method of claim 1 wherein the resources include at least one of memory and a matrix configuration.

5. (Cancelled)

6. (Previously Presented): The method of claim 1 wherein the information in the script is the amount of buffer memory needed by a program.

7. (Currently Amended): A method by a dedicated processor for allocating resources for ~~use by one or more~~ executing tasks in an application in a multi-processor computing environment, the method comprising:

providing a script to ~~the processor~~ other dedicated processors, the ~~first~~ dedicated processor being dedicated solely to executing the script and the allocation of resources to one or more other processors, the script containing a map of sequences that will occur during execution of the one or more tasks;

parsing the script to determine resources required by the other processor based on the map of sequences; and

allocating the resources immediately prior to execution of each of the tasks to achieve the most efficient execution of all of the tasks.

8. (Original): The method of claim 7 wherein the script is an I/O processor script.

9. (Currently Amended): A predictive resource allocation system for a multi-processor computing environment having a plurality of processors ~~two or more processors~~, comprising:

a ~~first processor~~ plurality of other processors for executing an application;

a dedicated ~~second~~ processor dedicated solely to providing resource allocation to the ~~first processor~~ plurality of other processors;

a script file containing information related to the resources required by the ~~first processor~~ plurality of processors to execute the application;

~~a script engine for a dedicated processor running the script file, the dedicated processor in conjunction with the script engine~~ and parsing the script to determine the resources required by the first processor; and

the dedicated ~~second~~ processor dynamically allocating resources at the time they are needed by the ~~first processor~~ plurality of other processors for the execution of the application.

10. (Cancelled)

11. (Currently Amended): A method by ~~a processor~~ for allocating resources for use by ~~two or more tasks~~ a first processor in execution of an application comprising a plurality of tasks in a multi-processor computing environment, the method comprising:

providing a script to a first processor, the first processor being dedicated solely to ~~the parsing the script and to allocation of resources to one or more~~ a plurality of other processors, the script containing a map of sequences that will occur during execution of the tasks;

parsing the script to determine the map of sequences for the plurality of other processors to execute the tasks and to determine the resources required by the tasks;
and

allocating the resources to ~~tasks~~ the processors such that resource allocation is synchronized with when the resources are needed by ~~tasks~~ processors for efficient execution of the application.

12. (Currently Amended): The method of claim 11 wherein allocating the resources to the plurality of other processors in the multi-processor environment further comprises dynamically allocating the resources at the time needed [[by]] for execution of the tasks.